

A/5.22852

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP 2004/013865

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ B65H 5/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ B65H 5/02, F16H 7/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2004, Japanese Registered Utility Model Gazette 1994-2004, Japanese Gazette Containing the Utility Model 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 64-48457 U(RICOH COMPANY, LTD.) 24.03.1989, Figs 1,2 (Family:none)	1,3-15,17-28 2,16
Y	JP 4-169440 A(RICOH COMPANY, LTD.) 17.06.1992, Figs 1-3 (Family:none)	1,4-15,18-28
Y A	JP 3-73541 U(RICOH COMPANY, LTD.) 24.07.1991, Figs 1,2,4-6 (Family:none)	1,3,15,17 2,16
Y	JP 2002-193471 A(CANON COMPANY, LTD.) 10.07.2002, paragraph 31,36, Figs 7 (Family:none)	4-7,13,18-21 ,27
Y	JP 5-306037 A(RICOH COMPANY, LTD.) 19.11.1993, paragraph 47,48, Figs 4 (Family:none)	6,20
Y	JP 59-11838 U(FUJI XEROX COMPANY, LTD.) 25.01.1984, Figs 5-8 (Family:none)	14,28



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

01.12.2004

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3119

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2003-95472 A (RICOH COMPANY, LTD.) 03.04.2003 (Family:none)	1,3,15,17
A	JP 4-246042 A (MATUSHITA-DENKI-SANGYO COMPANY, LTD.) 02.09.1992 (Family:none)	1,15
A	JP 6-40591 A (CANON COMPANY, LTD.) 15.02.1994 & US 5615000 A & EP 560335 A2	1,15